

Meridian Integrated RAN

Telephone Set-Based Administration



User Guide

NORTEL
NORTHERN TELECOM

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Introduction

A telephone set-based interface within the RAN application allows you to access the application from a Meridian Digital Telephone or any Dual Tone Multiple Frequency (DTMF) telephone set, either internally or externally, to record new announcements or to swap existing announcements in and out of service. It is intended for use in small system configurations where the MIRAN card is used for basic RAN applications. The telephone set-based Operation, Administration & Maintenance (OA&M) is useful for quick modification of announcements but not suitable for extensive or complex modifications; extensive changes are better handled by the terminal-based OA&M interface.

The operations performed in this mode are limited to:

- record new messages or announcements
- play messages
- assign messages to one-to-one internal ports and to cross-connect ports
- access the card's security ID

It is not possible to access the telephone set-based OA&M while the terminal-based OA&M is logged in.

One of the eight one-to-one ports on the MIRAN card must be dedicated to support the telephone set-based OA&M access. The telephone set-based OA&M access may be invoked locally on the system or remotely external to the system. Security for telephone set-based OA&M is ensured via a MIRAN-provided password. The MIRAN card will not identify itself until a valid password has been entered.

Setting the MIRAN card clock, assigning time of day dependant messages, accessing system configuration functions, and changing passwords are not possible in the telephone set-based mode.

Set-based OA&M allows you to perform administration tasks using the telephone dialpad of your Meridian Digital Telephone or any standard DTMF telephone set. By pressing specific digits on the dialpad, you will be able to login and issue specific commands as described in the following pages.

Menu Operation

Please contact your system administrator first for the MIRAN access code and password. To Login to your MIRAN card, please go off-hook and dial the access code of the telephone set-based OA&M port. MIRAN will greet you with the message:

"Please enter your password followed by number sign".

Enter the password with **all numeric characters** followed by a number sign (**#**). If after three attempts you do not enter a correct password, the system will lock you out.

After Login, the Menu selection is made by pressing a digit on the telephone dialpad.

To terminate an entry execution and to request content specific help messages:

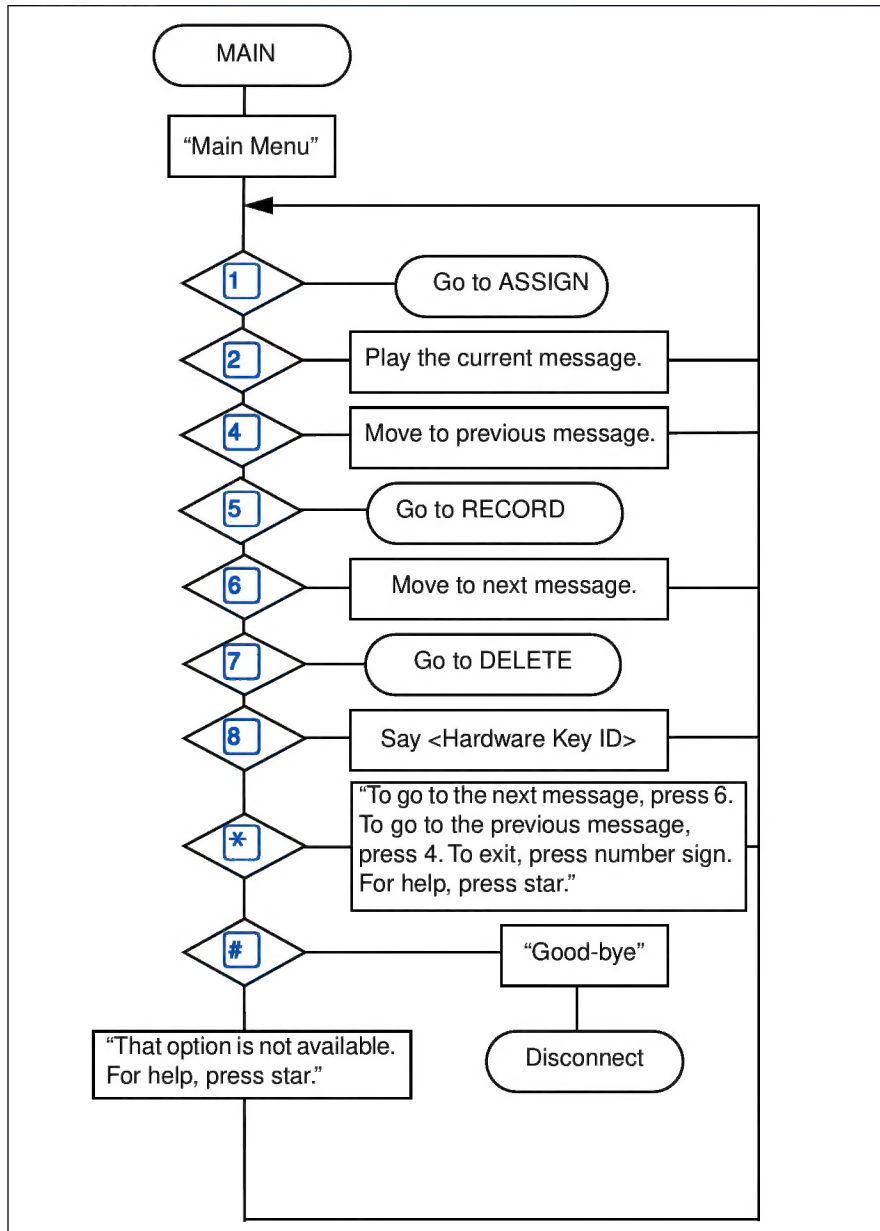
Terminate an Entry — enter **#** (this number sign is used to exit the menu)

Request for Help — enter ***** (this star sign provides a help message)

From the Main Menu you can activate the following functions:

- Dial **1** to setup messages.
- Dial **2** to play the current message.
- Dial **4** to move to the previous message.
- Dial **5** to record a message.
- Dial **6** to move to the next message.
- Dial **8** to query the MIRAN security ID.
- Dial **7 6** to delete a message.

Main Menu



Message Commands

Message Selection

When you login, the first message within the available disk volumes is automatically selected. This message can be assigned, played, or deleted. To select a message:

Next Message — enter **6** to go to the next message in the sequence

Previous Message — enter **4** to return to the previous message

When you go back to the beginning of the message list, a “beep” will be heard. When you go past the last message in the list, an “End of List” announcement will be heard.

Playing a Message

To play the currently selected message file use the following command sequence:

Play Message — enter **2** to play the current message from the main menu

Stop Playing — enter **#** to stop playing the current message

Assigning a Message

Assign a message file to a port (0 to 6, 8 or 9) so that any call routed to that specific port will play the assigned message.

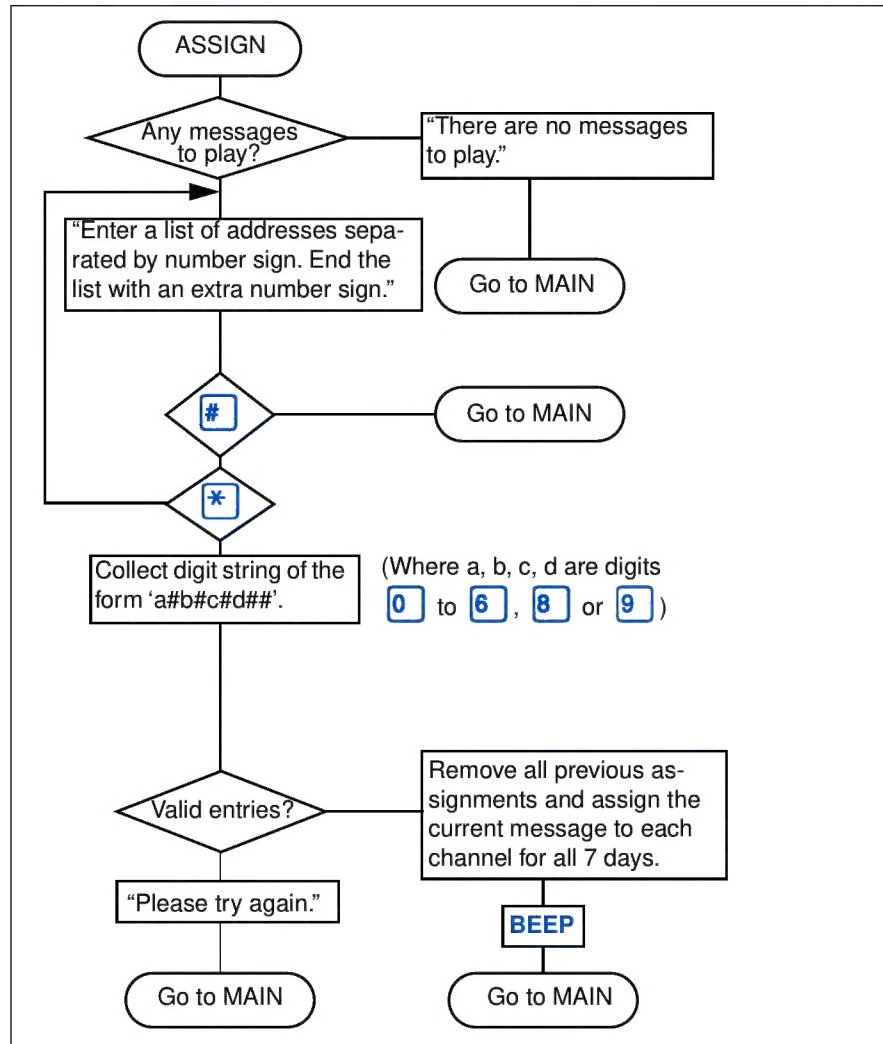
Setup — enter **1** to activate the assign command

Enter port number — enter the port number (**0** to **6**, **8** or **9**)

Ports 0 to 6 are internal one-to-one ports/channels. Port/channel 7 is configured for the terminal-based OA&M access and cannot be assigned with a message in this configuration. Ports 8 and 9 are cross-connect channels.

By assigning a message using the telephone set-based OA&M access command, you remove all previous assignments for the channel selected, which may not be what you want. By using the terminal-based OA&M access menu “Assign Message”, you can assign specific messages to specific channels at specific times without removing other assignments for that channel.

Setup Menu



Recording a Message

To record a message use the following command sequence. When saved, recorded messages are assigned a filename of the form "MSGnnnn.ALW" or "MSGnnnn.ULW" depending on the system companding law:

Record Message — enter **5** to record a new message

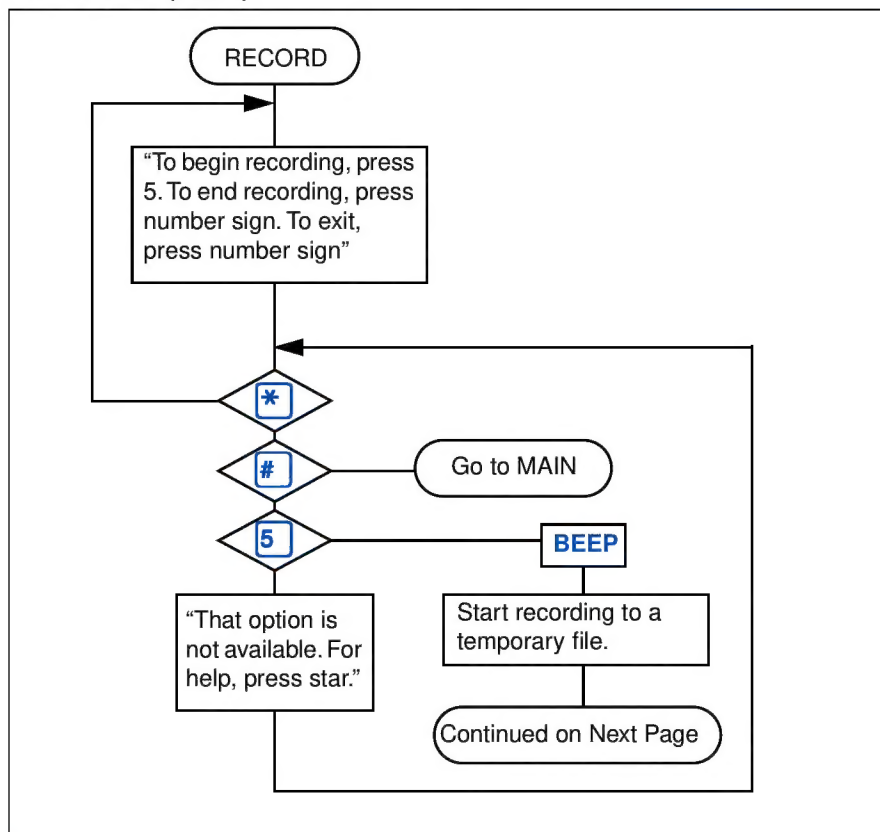
Stop Recording — enter **#**

Save Message — enter **1**

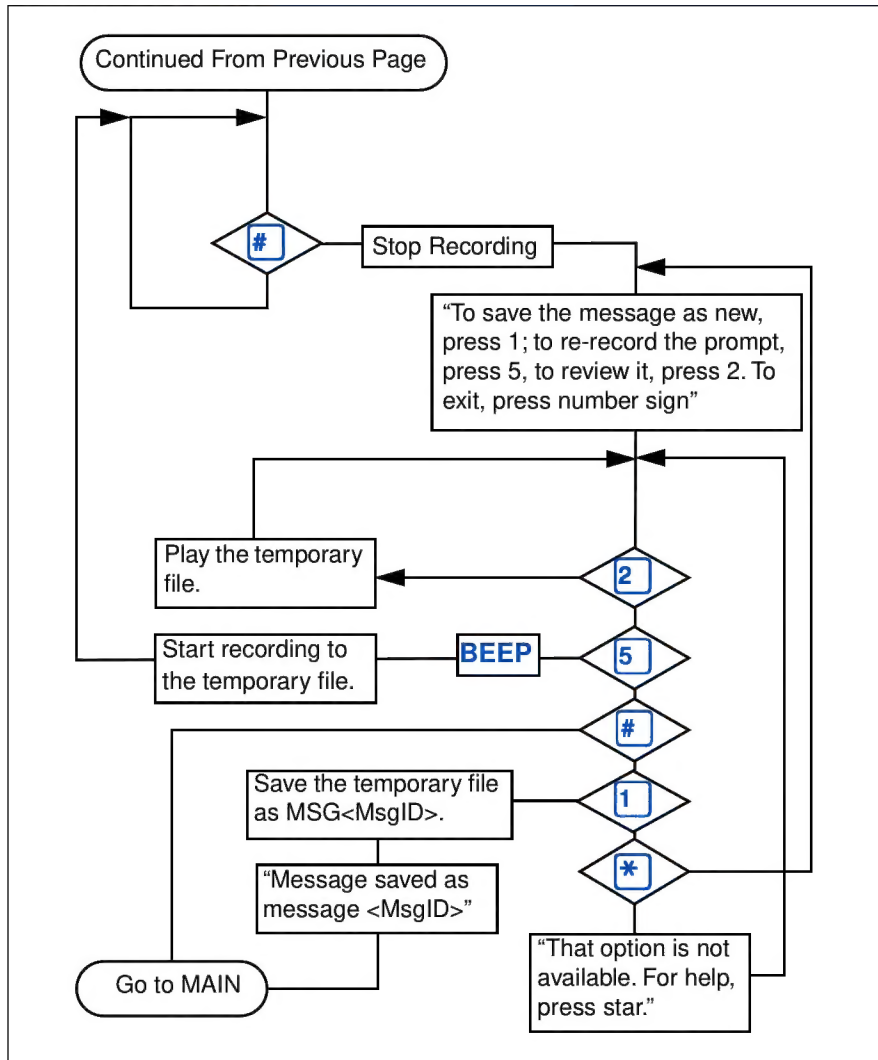
The message will be added to the first disk volume with available space of at least 64 kbytes or 8 seconds of recording.

If the available space is exceeded while recording, a **BEEP** is given along with the "Recording stopped" announcement.

Record Menu (Part 1)



Record Menu (Part 2)

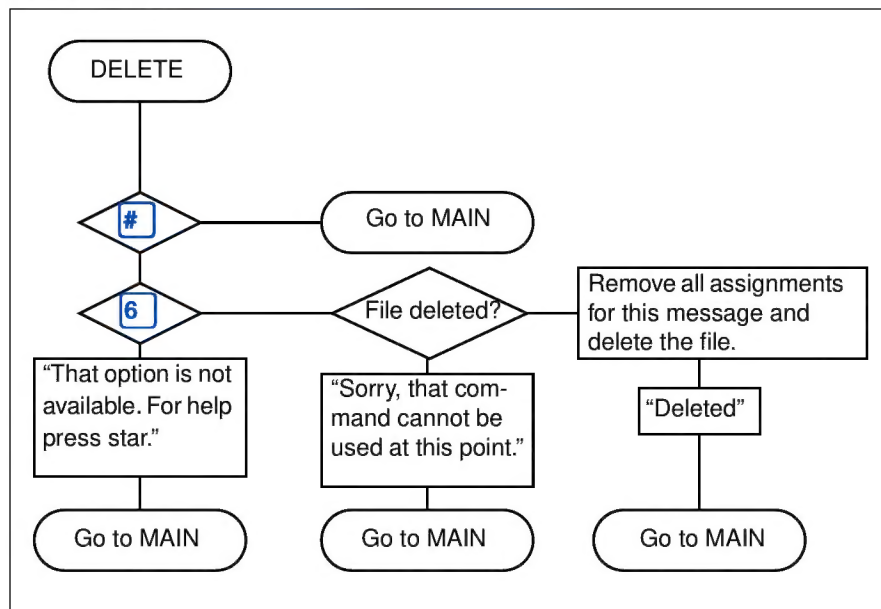


Deleting a Message

The current message will be unassigned and deleted.

Delete a Message — enter **7** **6** to unassign and delete the current message

Delete Menu



Playing the 8-digit Security Device ID

To hear the MIRAN security device ID number being played:

Security device ID — enter to play the eight digits that identify the security device

Example of OA&M Action

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The following table provides an example of the required steps to record a new message and assign it to a MIRAN port.

Step	User action	MIRAN response	Comments
1	Go off-hook	Not Applicable	
2	Enter access code for MIRAN	Voice prompts for Login; password	
3	Enter password and then # (all numeric)	"Main Menu"	You may receive a "Login incorrect" message if the password is in error.
4	Press 5 to access the record menu	Voice menu of options available	
5	Press 5 to start recording	BEEP	Records one message into temporary file.
6	Enter # to stop recording	Menu of options available	Recording stops.
7	Enter 2 to verify the recorded message	Plays message from temporary file	If the message is acceptable, you can save it and assign it to channels.
8	Enter 1 to save the message	"Message saved as message <ID>"; "Main Menu"	The message is saved to the storage device and becomes the currently selected message.
9	Enter 1 to assign the message to MIRAN port(s)	"Enter a list of addresses followed by number sign. End the list with an extra number sign."	
10	Enter list of ports separated by # (last port followed by # #)	BEEP; "Main Menu"	The message is assigned to the desired port(s)
11	Enter # to leave MIRAN	"Good-bye"	You will be disconnected from MIRAN
12	Go on-hook	Not Applicable	

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Ordering number: P0875387
Issue 1.00

Printed in Canada
August 1997

